

CLAIMS

1. Steering arrangement for ships propelled by water jet, comprising a steering device (6) that is pivotal about an essentially vertical shaft (5) having a first centre line (C1), at least one hydraulic cylinder (2; 3) for turning said steering device (6), which hydraulic cylinder is directly or indirectly articulately connected to the ship's body at one of its ends (2B; 3B), a turning device (4) connected to said shaft (5), for attachment to a second end (2A; 3A) of said hydraulic cylinder at a distance from said shaft (5), a reversing device (7) arranged in connection with said steering device (6) about an essentially horizontal shaft (12), an additional hydraulic cylinder (9) arranged to act on the reversing device (7), the additional hydraulic cylinder (9) following the movement of the steering device (6), characterised in that all the hydraulic cylinders (2, 3, 9) are arranged within a sheltered space (1) located above the extension of said vertical shaft (5), which space (1) is accessible for maintenance from the inside of the ship, and in that the arranging of said hydraulic cylinder (9) at the turning device (4) in relation to the steering device (6) is arranged such that the relative position of the reversing device (7) is uninfluenced by the relative position of the steering device (6).
2. Steering arrangement according to claim 1, characterised in that the hydraulic cylinder (9) controlling the reversing device (7) is articulately connected to a pivoting arm (15) that in its turn acts on a link (29) that is connected to a lever arm (17) for the reversing device (7).
3. Steering arrangement according to claim 2, characterised in that said centre line (C3) of said hydraulic cylinder (9) comes close to, preferably crosses, said first centre line (C1).
4. Steering arrangement according to claim 2, characterised in that said pivoting arm (15) is arranged about a shaft (8), the centre line (C2) of which comes close to, preferably crosses, said first centre line (C1).
5. Steering arrangement according to claim 1, characterised in that said space (1) has at least one wall (1A) that is part of the outer boundaries of the ship, said wall preferably being arranged above the water line.
6. Steering arrangement according to claim 1, characterised in that positional measuring equipment for measuring the position of the steering device (6) and/or the reversing device (7) also is arranged within said space.

7. Steering arrangement according to claim 1, characterised in that said bottom part (1F) of said space (1) at least for some part is arranged above and in contact with, the outlet part (20) for the water jet unit.

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8. Steering arrangement according to claim 1, characterised in that two cylinders (2, 3) articulately connected to said turning device (4) and with their first ends (2A; 3A) on each side of said shaft (5), are used to turn the steering device (6).

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